U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Derringer Drive - Removal Polrep
Final Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject:	**POLREP #2** **Final** **Derringer Drive** **Marshall, NC** **Latitude: 35.8090000 Longitude: -82.6769060**
To:	Matt Taylor, USEPA R4 ERRB
From:	Kenneth Rhame, OSC
Date:	12/12/2012
Reporting Period:	12/4/2012 to 12/10/1012

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	
Response Lead:	EPA	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	6/14/2012	**Start Date:**	6/14/2012
Demob Date:	12/10/2012	**Completion Date:**	12/10/2012
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category
Emergency Response

1.1.2 Site Description
On June 14, 2012 NCDENR contacted EPA ERRB reporting that trichloroethylene (TCE) had been discovered in two recently drilled municipal wells in Marshall, NC. TCE concentrations were as high as 75 ppb in the wells. The wells were not put into service and no known exposure has occurred. EPA OSC Rhame mobilized to the site on June 14, 2012 to provide assistance to the Town of Marshall by identifying residences on well water, obtaining access and sampling residences on well water to determine if any TCE exposure has occurred.
EPA mobilized back to the site on December 4 to determine if TCE concentrations were rising.

1.1.2.1 Location
Derringer Drive, Marshall, NC

1.1.2.2 Description of Threat
EPA mobilized back to the site on December 4 to resampled residential wells to determine if TCE concentrations were elevated.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results
Two recently installed municipal wells have been discovered to be contaminated with TCE. The wells were not put into service. The December 4 sampling of residential wells indicated that one home had TCE concentrations above the Maximum Contaminant Level (MCL) and one home slightly below the MCL. None of the wells sampled exceeded the Removal Management Level; therefore EPA ERRB was not authorized to take an action.

2. Current Activities
2.1 Operations Section
2.1.1 Narrative
On June 14, 2012 NCDENR contacted EPA reporting that TCE was found at concentrations as high as 75 ppb in two municipal wells in Marshall, NC. The wells were not put into service. EPA OSC Rhame mobilized to the site on June 14, 2012 with START. On June 15, 2012 EPA and NCDENR met with the Town of Marshall to locate residents on well water in the immediate area of the contaminated wells. Town of Marshall employees provided a list of address that they currently bill for town water. START plotted the address on a map and identified any residences that were not on the list as having well water. Town of Marshall water/sewer employees also provided a list of residents who had private wells on their property. Several of of the residences had both town water and well water. Some of these residents switch between town and well water on a regular basis. There are no backflow preventers on these systems. With assistance from the Town of Marshall and NCDENR, EPA identified 10 private residential wells and 1 industrial well within approximately .5 miles of the contaminated municipal wells. One of the owners was not at his property during any of the three visits EPA made to the residence. Information regarding the situation was left at his residence and further attempts to make contact will be made if additional contamination is discovered near the residence. Also, one residence with both city and well water was unable to get the well pump operational so the well was not sampled. EPA will make an additional attempt to sample this well if wells in the area are contaminated. EPA and NCDENR obtained access agreements on June 15 and 16 and collected samples on June 18, 2012. 8 residential wells and 1 industrial well were sampled. The samples were delivered to the lab on June 19, 2012 and will be analyzed for VOC's on a 24-48 hour TAT.

Sample results were received on June 21, 2012. All samples were ND for all contaminants with the exception of three samples which contained trace amounts of cis-1,2-DCE, TCE and 1,1 DCE. EPA will return to collect another round of samples in November or December 2012 to ensure that the seasonal variance does not cause the concentrations to increase.

The December sampling determined that one resident was slightly above the MCL, and one home slightly below the MCL; no homes exceeded the RML; therefore EPA ERRB was not authorized to take an action.

2.1.2 Response Actions to Date

- Mobilized to the site.
- Identified residences with private drinking water wells.
- Obtained access agreements.
- Collected residential well samples and 1 industrial well sample.
- Evaluated analytical results

Since there were no RML exceedences, EPA ERRB is not authorized to take an action; the site was referred back to NCDENR for review and possible mitigation.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)
No PRP's have been identified.

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

- Review sample results.
- Identify any residences with TCE concentrations above the RML of 8 ppb.
- Mitigate any exposure exceeding the RML.

2.2.1.1 Planned Response Activities

Since no results indicated an exceedence of the RML, EPA ERRB referred the site back to NC DENR.

2.2.1.2 Next Steps

If a RML is exceeded in future sampling conducted by NCDENR, EPA ERRB will re-evaluate the site.

2.2.2 Issues

No RML exceedences.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.